



## Notice of Allowability

Application No.

10/625,240

Examiner

David J. Huisman

Applicant(s)

KAHN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the after-final amendment filed on 11/2/07 and the conversation w/ applicant on 11/14/07.
2. ☒ The allowed claim(s) is/are 23-41 (hereafter renumbered as claims 1-19, collectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date see attached.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jeffrey R. Joseph, Reg. No. 54,204 on November 14, 2007.

The application has been amended as follows:

#### *Amendments to the Claims*

2. Regarding claim 23:
- In line 8, please replace "predetermined value" with --value selected from the values of 01B, 10B, and 00B--.
  - In line 10, replace "predetermined value" with --value of 100B--.
  - In line 11, replace "predetermined value" with --value of 100B--.

#### *Amendments to the Drawings*

3. In order to avoid abandonment of the application, applicant must make the following changes to the drawings:

- In Fig.3, box 350, replace "Displacement" with --Displacement--.
- In Fig.4, box 450, replace "Remainder" with --Remainder--.
- In Fig.5, box 550, replace "Remainder" with --Remainder--.

***Terminal Disclaimer***

4. The terminal disclaimer filed on July 13, 2006 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent No. 6,625,724 has been reviewed and is accepted. The terminal disclaimer has been recorded

***Reasons For Allowance***

5. The following is an examiner's statement of reasons for allowance:

Regarding claim 23, the prior art of record has failed to teach, both individually and in combination, and together with all additional claimed features, decoding logic to determine whether a mod field of a ModR/M byte of a 32-bit architecture instruction contains a value selected from the values of 01B, 10B, and 00B, to determine whether an r/m field of the ModR/M byte of the 32-bit architecture instruction contains a value of 100B, and to determine whether an index field of a scale index base (SIB) byte contains a value of 100B.

Regarding claim 36, the prior art of record has failed to teach, both individually and in combination, and together with all additional claimed features, determining that a mod field of a ModR/M byte of a 32-bit architecture instruction contains a value selected from the values of 01B, 10B, and 00B, determining that an r/m field of the ModR/M byte of the 32-bit architecture instruction contains a value of 100B, and determining that an index field of a scale index base (SIB) byte contains a value of 100B.

Regarding claim 40, the prior art of record has failed to teach, both individually and

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in combination, and together with all additional claimed features, a first comparator to determine whether a mod field of a ModR/M byte of a 32-bit architecture instruction contains a value selected from the values of 01B, 10B, and 00B, a second comparator to determine whether an r/m field of the ModR/M byte of the 32-bit architecture instruction contains a value of 100B, and a third comparator to determine whether an index field of a scale index base (SIB) byte contains a value of 100B.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David J. Huisman whose telephone number is (571) 272-4168. The examiner can normally be reached on Monday-Friday (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Chan can be reached on (571) 272-4162. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

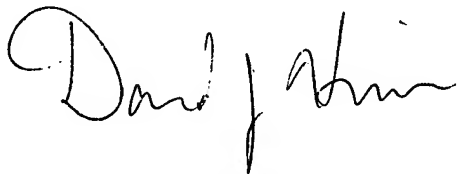
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DJH

David J. Huisman

November 15, 2007

A handwritten signature in cursive script, appearing to read "David J. Huisman".